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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/783,399	02/19/2004	James R. Hanrahan	GT/112	6370
28596	7590	01/26/2006	EXAMINER	
GORE ENTERPRISE HOLDINGS, INC. 551 PAPER MILL ROAD P. O. BOX 9206 NEWARK, DE 19714-9206				COMPTON, ERIC B
		ART UNIT		PAPER NUMBER
		3726		

DATE MAILED: 01/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/783,399	HANRAHAN, JAMES R.	
	Examiner Eric B. Compton	Art Unit 3726	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 04 November 2005.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-45 is/are pending in the application.
 4a) Of the above claim(s) 8,9,20,21,23-26,34-37,42 and 43 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-7 10-19 22 27-33 38-41 44-45 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Species A (stock material), claims 1-7, 10-19, 22, 27-33, 38-41 and 44-45 in the reply filed on November 4, 2005 is acknowledged.
2. Claims 8-9, 20-21, 23-26, 34-37, and 42-43 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-7, 10-12, 30-33, and 38-41 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0 731 153 to Korleski.

Regarding claim 1, Korleski discloses an article comprising:

a porous expanded PTFE material having a microstructure defined by nodes interconnected by fibrils wherein the nodes are aligned to form one or more column in the thickness direction of the material, see Figure 1, and

at least one polymer resin selected from the group consisting of thermoset resins and thermoplastic resins distributed within the pores of the expanded PTFE, see Abstract.

Regarding claims 10-12, and 30, "Figure 4 illustrates composite which can be fabricated using the present invention. Adhesive film A containing nodes B interconnected with fibrils C with adhesive D and particles E is attached to at least one layer of metal F." Page 8, lines 20-21.

Regarding claims 2-3, 31-32, see Figure 1 (showing left-most columns comprising a single node and other columns comprising a plurality of nodes).

Regarding claims 7 and 41, the expanded PTFE may include at least one filler. See Page 5, lines 21-28 (discussing fillers).

Regarding claim 4 and 38, the resin may be epoxy. See e.g., Page 8, line 33; Claim 11.

Regarding claims 5 and 39, the resin may be a polyimide. See e.g., Page 5, line 42 (mentioning "acetylene-terminated polyimide").

Regarding claims 6 and 40, the article/composite may contain two or more layers of expanded PTFE. See Page 7, line 9 ("... several layers can be combined to build a composite.").

Regarding claim 33, PTFE is a generally recognized wear resistant material. Furthermore, the reference notes changing components to increase toughness and strength. See e.g., Page 5, lines 47 & 54. The "wear-resistant" limitation is construed as an intended use and merely requires the inherent capable, which is the case here.

5. Claims 1-4, 6-7, 10-116, 18-19, 27-33 38, 40-41 and 44-45 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Pat. 3,953,566 to Gore.

Regarding claims 1, Gore discloses an article comprising:

a porous expanded PTFE material having a microstructure defined by nodes interconnected by fibrils wherein the nodes are aligned to form one or more column in the thickness direction of the material, see Figure 1, and

at least one polymer resin selected from the group consisting of thermoset resins and thermoplastic resins distributed within the pores of the expanded PTFE, see e.g. Example 11 (disclosing imbibing material).

Regarding claim 13, 33 and 44, Gore discloses, "These properties make impregnated materials of the type described here particularly using as bearing materials." Col. 16, lines 63-65 (emphasis added).

Regarding claims 2-3, 14-15, 31-32, see Figure 1 (showing some columns comprising a single node and other columns comprising a plurality of nodes).

Regarding claims 4, 16, and 38, the resin may be epoxy. See Col. 17, line 14.

Regarding claims 6 10-12, 18, 30, 40 and 45, the article/composite may contain two layers of expanded PTFE to form a laminate including epoxy. See Col. 17, lines 24-25.

Regarding claims 7, 19, and 41, the expanded PTFE may include at least one filler. See Col. 21, lines 60-65 (discussing fillers).

6. Claims 1, 4, 13, 16, 30, 38 and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Pat. 4,976,550 to Shobert.

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Regarding claims 1, 13, 30, and 45, Shobert discloses:

A plastic bearing is provided, as well as a method of fabricating these bearings, in which a number of strands of expanded polytetrafluoroethylene fibers are woven about a cylindrical mandrel to form a fabric about this mold surface. The fabric is then impregnated with a hardenable plastic. The plastic is hardened and the bearing is removed from the mold surface. The resulting plastic bearing has greatly improved wear resistance which permits new applications.

Abstract (emphasis added). Shobert discloses the fibers are GORE-TEX of the type formed by Gore.

Regarding claims 4, 16, and 38, the resin may be epoxy. See Col. 2, line 27.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 5, 17, and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gore and/or Shobert in view of U.S. Pat. 6,548,188 to Yanase et al and/or U.S. Pat. 4,0745,512 to Matt

Gore and Shobert disclose the inventions cited above, but do not disclose polyimide as a resin.

Both Yanase and Matt disclose PTFE fiber bearings imbibed with resin, e.g., polyimide.

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Regarding claims 5, 17, and 39, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have imbibed the bearings of Gore and/or Shobert, with polyimide, in light of the teachings of Yanase and/or Matt, to provide increased wear resistance.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric B. Compton whose telephone number is (571) 272-4527. The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Jimenez can be reached on (571) 272-4530. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Eric B. Compton
Primary Examiner
Art Unit 3726

ebc